IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 98,365-B1)

In re Application of:)

)

Rodgers and diZerega   )

)   Art Unit: **To be assigned**

Serial No.: **To be assigned**   )

)   Examiner: **To be assigned**

Filed: **Herewith**   )

)

For: **Method for Accelerating Bone,**   )

        Cartilage, and Connective Tissue   )

        Growth   )

Asst. Commissioner for Patents
BOX Application
Washington, D.C. 20231

COMPLIANCE WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES
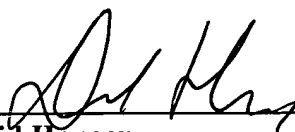
Sir,

As required by 37 C.F.R. 1.821(f), the content of the sequence listing paper copy and computer readable copy are the same.

Respectfully submitted,
McDonnell Boehnen Hulbert & Berghoff

Dated: January 30, 2001   By: _____

David Harper
Reg. No. 42,636

SEQUENCE LISTING

<110> Rodgers, Kathleen
     diZerega, Gere

<120> Methods for Accelerating Bone and Connective Tissue
     Growth and Repair

<130> 98365b

<140> To be assigned
<141> 1999-07-11

<160> 45

<170> PatentIn Ver. 2.0

<210> 1
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII

<400> 1
Asp Arg Val Tyr Ile His Pro Phe
  1   5

<210> 2
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (2-8)

<400> 2
Arg Val Tyr Ile His Pro Phe
  1   5

<210> 3
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (3-8)

<400> 3
Val Tyr Ile His Pro Phe
  1   5

<210> 4
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (1-7)

<400> 4
Asp Arg Val Tyr Ile His Pro
  1   5

<210> 5
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (2-7)

<400> 5
Arg Val Tyr Ile His Pro
  1   5

<210> 6
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (3-7)

<400> 6
Val Tyr Ile His Pro
  1   5

<210> 7
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (5-8)

<400> 7
Ile His Pro Phe
  1

<210> 8
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (1-6)

<400> 8
Asp Arg Val Tyr Ile His
  1   5

```
<210> 9
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (1-5)

<400> 9
Asp Arg Val Tyr Ile
  1               5


<210> 10
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (1-4)

<400> 10
Asp Arg Val Tyr
  1


<210> 11
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (1-3)

<400> 11
Asp Arg Val
  1


<210> 12
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue

<220>
<221> MOD_RES
<222> (2)
<223> Nle

<400> 12
Arg Xaa Tyr Ile His Pro Phe
  1               5


<210> 13
<211> 7
```

```
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue

<220>
<221> MOD_RES
<222> (4)
<223> Nle

<400> 13
Arg Val Tyr Xaa His Pro Phe
  1               5


<210> 14
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (6-8)

<400> 14
His Pro Phe
  1


<210> 15
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII (4-8)

<400> 15
Tyr Ile His Pro Phe
  1               5


<210> 16
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue
      class

<220>
<221> UNSURE
<222> (1)
<223> Xaa at poistion 1 can be Arg, Lys, Ala, Orn, Ser,
      MeGly, D-Arg, or D-Lys

<220>
<221> UNSURE
<222> (2)
```

<223> Xaa at position 2 can be Val, Ala, Leu, Nle, Ile,
      Gly, Pro, Aib, Acp, or Tyr

<220>
<221> UNSURE
<222> (4)
<223> Xaa at position 4 can be Ile, Ala, Leu, Nle, Val,
      or Gly

<400> 16
Xaa Xaa Tyr Xaa His Pro Phe
   1   5

<210> 17
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue

<400> 17
Arg Val Tyr Gly His Pro Phe
   1   5

<210> 18
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue

<400> 18
Arg Val Tyr Ala His Pro Phe
   1   5

<210> 19
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 1

<400> 19
Asp Arg Val Tyr Val His Pro Phe
   1   5

<210> 20
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 2

```
<400> 20
Asn Arg Val Tyr Val His Pro Phe
  1               5


<210> 21
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 3

<400> 21
Ala Pro Gly Asp Arg Ile Tyr Val His Pro Phe
  1               5                   10


<210> 22
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 4

<400> 22
Glu Arg Val Tyr Ile His Pro Phe
  1               5


<210> 23
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 5

<400> 23
Asp Lys Val Tyr Ile His Pro Phe
  1               5


<210> 24
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 6

<400> 24
Asp Arg Ala Tyr Ile His Pro Phe
  1               5


<210> 25
<211> 8
```

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 7

<400> 25
Asp Arg Val Thr Ile His Pro Phe
 1   5

<210> 26
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 8

<400> 26
Asp Arg Val Tyr Leu His Pro Phe
 1   5

<210> 27
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 9

<400> 27
Asp Arg Val Tyr Ile Arg Pro Phe
 1   5

<210> 28
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 10

<400> 28
Asp Arg Val Tyr Ile His Ala Phe
 1   5

<210> 29
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 11

<400> 29
Asp Arg Val Tyr Ile His Pro Tyr

<210> 30
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 12

<400> 30
Pro Arg Val Tyr Ile His Pro Phe
   1   5

<210> 31
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 13

<400> 31
Asp Arg Pro Tyr Ile His Pro Phe
   1   5

<210> 32
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 14

<220>
<221> MOD_RES
<222> (4)
<223> PHOSPHORYLATION

<400> 32
Asp Arg Val Tyr Ile His Pro Phe
   1   5

<210> 33
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 15

<220>
<221> MOD_RES
<222> (3)
<223> Nle

<400> 33
Asp Arg Xaa Tyr Ile His Pro Phe
   1   5

<210> 34
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 16

<220>
<221> MOD_RES
<222> (5)
<223> Nle

<400> 34
Asp Arg Val Tyr Xaa His Pro Phe
   1   5

<210> 35
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:AII analogue 17

<220>
<221> MOD_RES
<222> (4)
<223> homo Ser

<400> 35
Asp Arg Val Ser Tyr Ile His Pro Phe
   1   5

<210> 36
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:p-aminophenylalanine 6 AII

<220>
<221> MOD_RES
<222> (6)
<223> p-aminophenylalanine

<400> 36
Asp Arg Val Tyr Ile Xaa Pro Phe
   1   5

<210> 37
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:angiotensin I

<400> 37
Asp Arg Val Tyr Ile His Pro Phe His Leu
 1   5   10

<210> 38
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (2)
<223> Orn

<220>
<223> Description of Artificial Sequence:GSD37B:
      Orn2-AII

<400> 38
Asp Xaa Val Tyr Ile His Pro Phe
 1   5

<210> 39
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:GSD28: Ile8-AII

<400> 39
Asp Arg Val Tyr Ile His Pro Ile
 1   5

<210> 40
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:1GD:
      Ala4-AII(1-7)

<400> 40
Asp Arg Val Ala Ile His Pro
 1   5

<210> 41

<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:2GD:
      Pro3-AII(1-7)

<400> 41
Asp Arg Pro Tyr Ile His Pro
  1   5

<210> 42
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Gly1-AII

<400> 42
Gly Arg Val Tyr Ile His Pro Phe
  1   5

<210> 43
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:GSD38B:Citron2-AII

<220>
<221> MOD_RES
<222> (2)
<223> Citron

<400> 43
Asp Xaa Val Tyr Ile His Pro Phe
  1   5

<210> 44
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:Pro3Ala4-AII(1-7)

<400> 44
Asp Arg Pro Ala Ile His Pro
  1   5

<210> 45

```
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:9GD:
      norleu3-AII(1-7)

<220>
<221> MOD_RES
<222> (3)
<223> Nle

<400> 45
Asp Arg Xaa Tyr Ile His Pro
  1               5
```